Indiana Department of Environmental Management
Office of Water Quality
Wetlands Section

Publication Date:
June 15, 2011

Closing Date:
July 5, 2011

PUBLIC NOTICE

IDEM ID Number:
2011-268-11-DDC-A

Corps of Engineers ID Number:
LRL-2010-1141-lcl

To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

1. Applicant: Mr. Travis Marlow
P.O. Box 22
Center Point, IN 47840

3. Project location: Section 18, Township 11 North, Range 6 West, Center Point USGS Quad, in Clay County
The project is ½ mile northeast of the intersection of SR 59 and SR 46, on North Meridian Road

4. Affected waterbody: Unnamed Tributary to Birch Creek

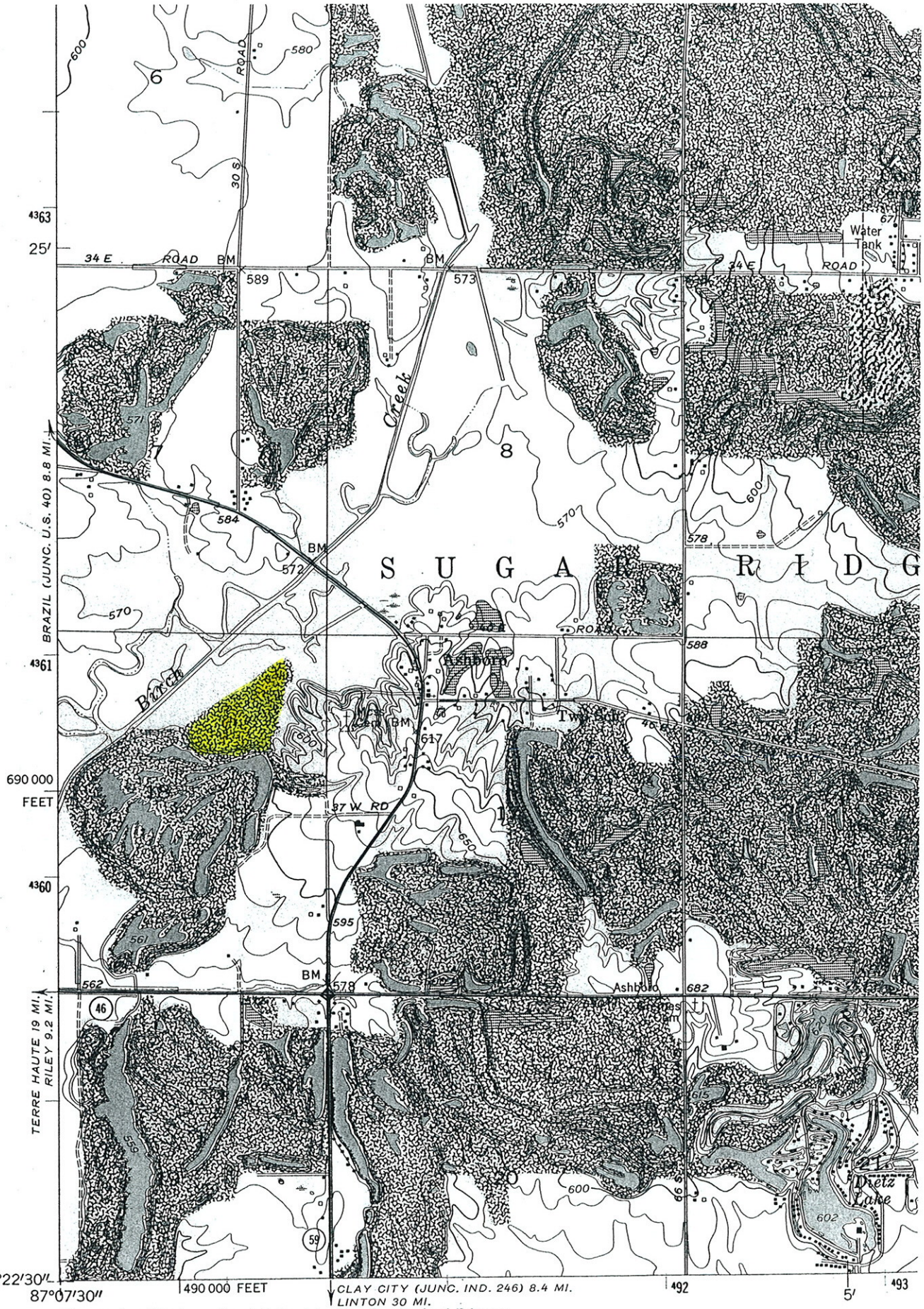
5. Project Description: The applicant proposes to restore a shallow emergent/scrub-shrub wetland on a site that was formerly functioning as a deep water wetland, which was drained due to levee failure. The project will require the repair of the failed levee, replace the old water control structure with a PVC structure, and install a rock lined emergency spillway. In order to do so, the applicant proposes to discharge approximately 70 cubic yards of fill material (0.01 acre) into an unnamed tributary to Birch Creek. The applicant proposes the impacts in order to re-establish shallow marsh conditions (6-18 inches in depth) on approximately 22 acres. The applicant proposes no compensatory mitigation for the proposed impacts. For additional information: http://www.in.gov/idem/5474.htm

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from Mr. David Carr, Project Manager, at 317-234-6350.
Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406



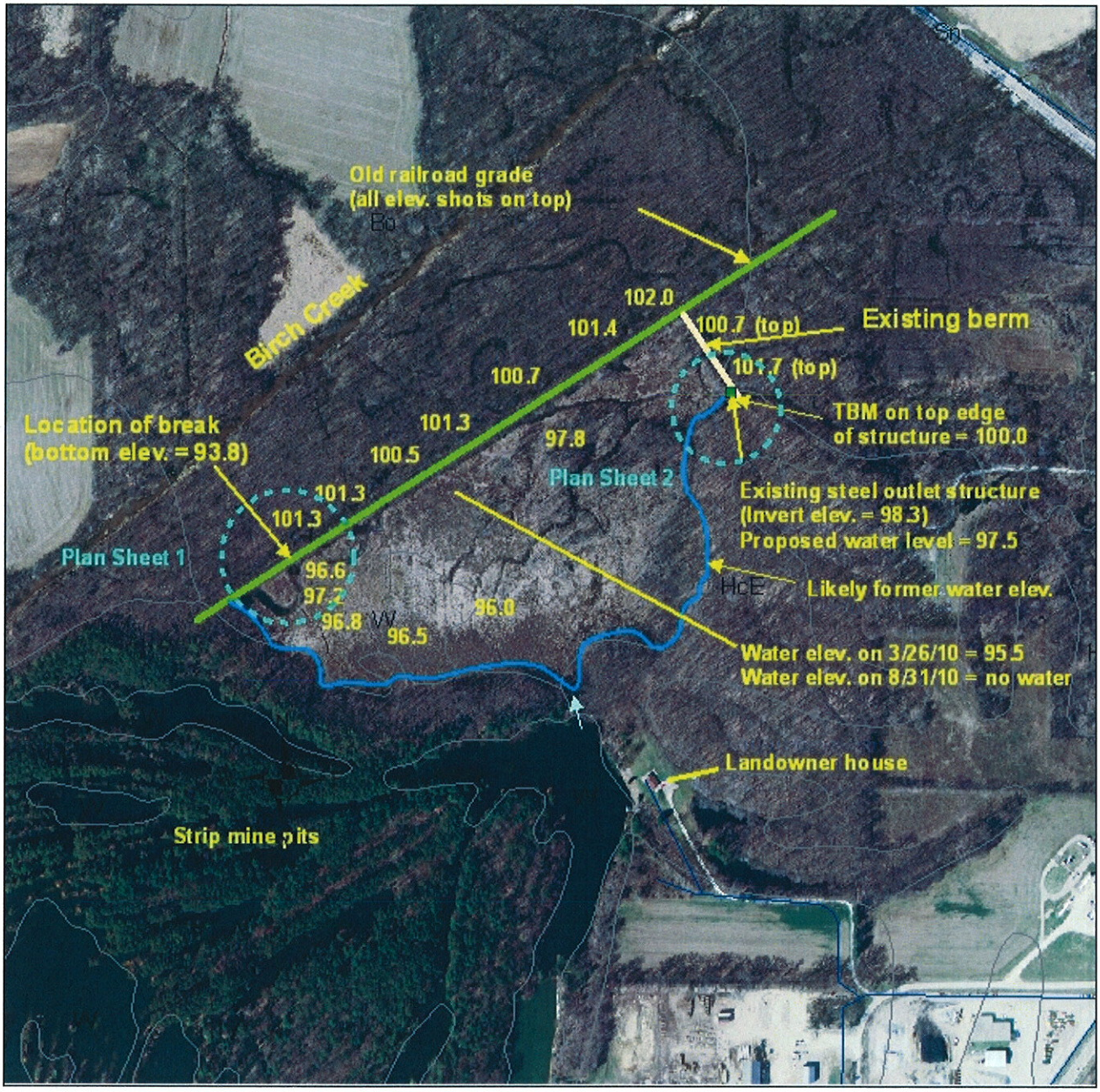
Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, USCE, and Indiana Flood Control and Water Resources Commission

Topography by photogrammetric methods from aerial photographs taken 1956. Field checked 1957

Polyconic projection. 10,000-foot grid ticks based on

Birch Creek Wetland Project
Clay County, IN



Scale: 1" = Approx. 525'

U.S. Fish & Wildlife Service
Partners for Fish & Wildlife

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WETLAND RESTORATION DESIGN County: Clay 11/4/2010

Owner: T. Marlow Designer: J. Kiefer Wetland Name or No. 1

PRELIMINARY DESIGN DATA

	Benchmark	100.0	Elev.
	Constructed Berm Elev.	102.1	Elev.
	Estimated Fill Neeed	70.0	Cu Yds
	Constructed Spillway Elev.	98.5	Elev.
	Estimated Full Pool	97.5	Elev.
	Max. Wetland Depth	1.5	feet
	Structural Berm Height (Max.)	8.3	feet
DIKE	Top width	8.0	feet
	Length	12.0	feet
	Upstream Side Slope	4.0	:1
	Downstream Side slope	3.0	:1
SPILLWAY			
	Crest elevation	98.5	elev
	Bottom width	15.0	feet
	Side slopes	2.0	:1
	Stone spillway ?	Y	6-12" rock
	Spillway length	40.0	feet

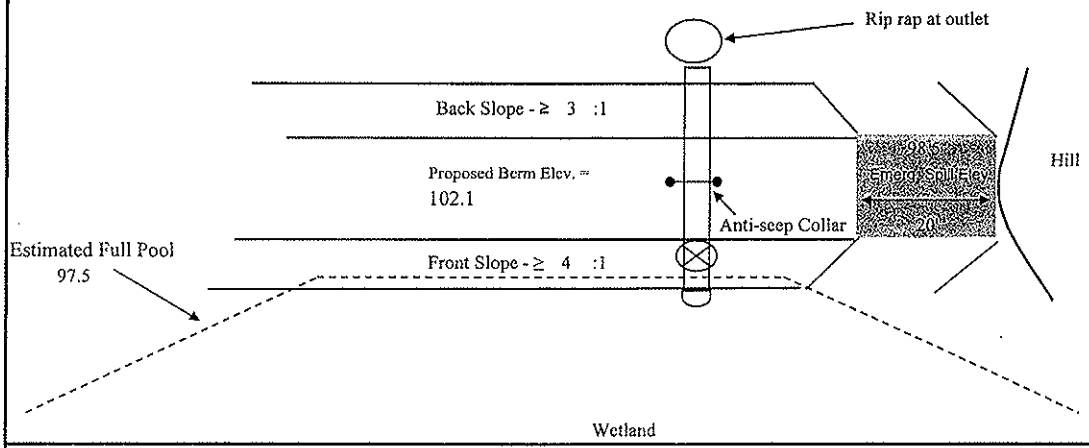
Benchmark location: Top edge of steel structure

FLOODING UPSTREAM

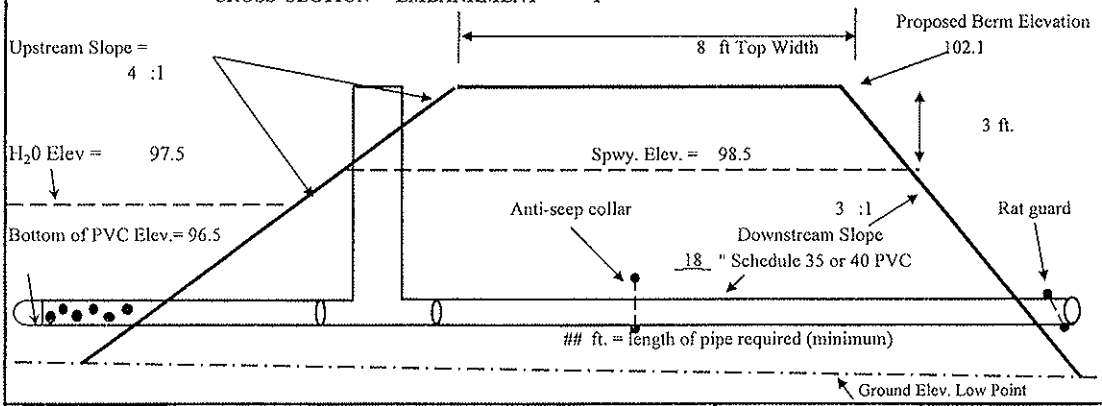
Upstream property line low elev.= N/A

100 year storm elevation 98.5

PLAN VIEW - OVERHEAD



CROSS SECTION - EMBANKMENT - 1



Site Description

Construct spillway at end of the embankment as shown on plan view

Benchmark Description

Benchmark location: Top edge of steel structure

Quantities

Pipe Type	Length Required	
Schedule 35 or 40	60.0	Feet
Corrugated	N/A	Feet
Spwy location:	SE	Of Structure

WETLAND RESTORATION DESIGN County: Clay 11/4/2010

Owner: T. Marlow Designer: J. Kiefer Wetland Name or No. 1

TBM Description:
Top edge of steel structure
Site Description:
Washout repair

TBM El.= 100.00
Upstrm property line low elev.= N/A

DESIGN DATA - (More complete data shown below)

Drainage Area =	100	Ac.
Pipe Used ?	N	(Y or N)
Stone spwy used ?	N	(Y or N)
% Embankment Settlement	10	%
Design Q25 >		cfs
Q100 =		cfs
Berm Length	12.0	feet

Embankment Ground Line Profile

SHOT	STA. (ft.)	ELEV.
#1	0	101.3
#2	6	93.8
#3	12	101.3
#4		
#5		
#6		
#7		
#8		
#9		
#10		

DESIGN

	Inputs	Outputs		
Ground Profile Low Point		93.8	Elev.	Normally this is low point from embankment profile.
Spillway Elevation	98.5		Elev.	Your choice
Water Depth		1.5	Ft.	Spillway minus Emb. Profile Low Point
Full Pool Elevation	97.5			
Spillway Width			Ft.	Minimum width is 10 feet.
Spillway Des. Depth			Ft.	Includes freeboard of .5'
Spillway Location				
Design Embankment Top		101.3	Elev.	Spwy Elev. + Spwy. Depth
Minimum Emb. Top		102.1	Elev.	Settlement is added (C15)
Constructed Emb. Top	102.1		Elev.	
		#DIV/0!	Elev.	100 Yr Flood Elevation
			Inches	
			Elev.	A pipe or a rock lined spwy is req'd when Dr. Area > 80 acres or head exceeds 3 ft.
	958,320		sq ft	
Pond Size		22.00	Acres	
Stone Spillway: Length			Ft	
Width			Ft	
Stone thickness	N/A		Inches	

FILL COMPUTATIONS

Upstream Slope :	4 :1	Top Elev. :	102.1	(from above)
Top Width :	8 ft.	Shelf Berm ?	N	(Y or N)
Downstream Slope :	3 :1	Shelf width:	0	feet
Stripping Depth :	0 inches	Emb. Fill :	70	cu yds
Wing Dike length :	feet			(no extra added for const. losses)